





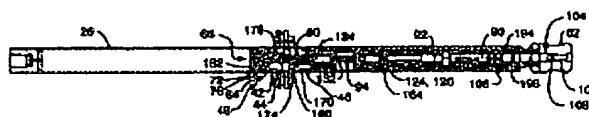


DAMPING SYSTEM HAVING SEPARATELY ADJUSTABLE DAMPING CIRCUITS**Patent number:** WO9914104**Publication date:** 1999-03-25**Inventor:** BALDOMERO RICARDO R**Applicant:** ROCKSHOX INC (US)**Classification:****- International:** B62K1/00**- european:** B62K25/08**Application number:** WO1998US17630 19980825**Priority number(s):** US19970059059P 19970916; US19980040125
19980317**Also published as:** EP1012030 (A1)
 US6036212 (A1)
 CA2306756 (A1)**Cited documents:** US5078241
 US5133434
 US5284352**Report a data error here****Abstract of WO9914104**

An adjustable fluid damping system (24) for use in a suspension system that undergoes compression and rebound. The fluid damping system (24) permits independent adjustment of compression and rebound damping by providing separate compression and rebound damping circuits. Each circuit has an inlet (42, 52) through which damping fluid flows during damping, and an adjuster that adjusts the degree to which the inlet is open and hence damping through that flow path. The compression and adjusters are selectively and independently coupled to the same adjuster rod (92) via respective compression and rebound couplers (94, 96). The adjuster rod (92) can be coupled to only one of the couplers (94, 96) at a time. Rotation of the adjuster rod (92) by means of an adjuster knob (62), which can be pulled outward or pushed inward to engage one of the compression and rebound couplers (94, 96), causes rotation of the coupler coupled thereto and axial movement of the respective adjuster to modify damping through the associated damping circuit.



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